



## 9.27 VILLAGE OF PAWLING

This section presents the jurisdictional annex for the Village of Pawling.

### 9.27.1 Hazard Mitigation Plan Point of Contact

The following individuals have been identified as the hazard mitigation plan's primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
Robert Liffland, Mayor 9 Memorial Avenue, Pawling, NY 12564 845-855-1122 <a href="mailto:josborn@villageofpawling.org">josborn@villageofpawling.org</a>	Dan Peters, Trustee 9 Memorial Avenue, Pawling, NY 12564 845-855-1122 <a href="mailto:inrispx@comcast.net">inrispx@comcast.net</a>

### 9.27.2 Municipal Profile

The Village of Pawling is located in the south-east corner of Dutchess, NY, and is entirely surrounded by the Town of Pawling. The Village has a total land area of 2.00 square miles, which is entirely comprised of land. Although the Village does not have any water in its land area, it is proximate and vulnerable to several waterways and bodies of water, including the Pawling Reservoir (and associated dam), East Branch Croton River and the Swamp River Reach 2. The Village landscape tends to be hilly, with areas of steeper slopes in the southern portion. The center area of the Village includes low-lying wetlands, which are part of two regional watersheds. Any development in this area of the Village requires careful consideration to protect local soils and other environmental concerns.

The Village of Pawling has two major transportation routes, State Route 22 and State Route 55. Additionally, the Metro-North Railroad has two commuter lines which run through the Village. The Village's more vulnerable structures and critical facilities will be discussed in further detail throughout the Hazard Mitigation Plan and this annex. The Village was incorporated in 1893.

According to the 2010 U.S. Census, the population of the Village of Pawling was 2,347.

### Growth/Development Trends

The following table summarizes recent residential/commercial development since 2010 to present and any known or anticipated major residential/commercial development and major infrastructure development that has been identified in the next five years within the municipality. Refer to the map in Section 9.27.8 of this annex which illustrates the hazard areas along with the location of potential new development.

**Table 9.27-1. Growth and Development**

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
<b>Recent Development from 2010 to present</b>					
Trinity Pawling School	Residential/Athletic	10 units, ball field, tennis court	700 Route 22	None	Complete
<b>Known or Anticipated Development in the Next Five (5) Years</b>					
Main St. Pawling LLC	Mixed Use	12 Res. Units, 2	33 E. Main St.	None	Planning Board Approved



Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
		Structures			
TR-ONE	Senior Units	96 Units in 3 Structures	6956-08-793916 6956-08-872869	None	To Present Site Plan to Planning Board
Umscheid Property	Senior Units	50 Units in 9 Structures	6957-16-937250 6957-16-868317	None	Condominiums / On Hold

\* Only location-specific hazard zones or vulnerabilities identified.

### 9.27.3 Natural Hazard Event History Specific to the Municipality

Dutchess County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. For the purpose of this Plan, events that have occurred in the County from 2008 to present were summarized to indicate the range and impact of hazard events in the community. Information regarding specific damages is included, if available, based on reference material or local sources. This information is presented in the table below. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

**Table 9.27-2. Hazard Event History**

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
May 2009	Drought	N/A	N/A	Approval of portable DE filter provided by State Emergency Management Office
August 26 – September 5, 2011	Hurricane Irene	DR-4020	Yes	Residents below the dam were asked to evacuate, and the storm also caused widespread utility outages; however, the most significant damage was infrastructure-related.  Storm runoff scoured, eroded and washed out roads (such as Oak Shadow Lane), while debris closed other roads and blocked storm drains, increasing the public health and life safety threats. The Village's water source, the Pawling Reservoir, became clogged and was inundated with stormwater, leading to seepage. This also led to infrastructure damage at the dam associated with the reservoir.
October 27 – November 8, 2012	Hurricane Sandy	EM-3351	Yes	The storm caused widespread utility outages (among NYSEG, Verizon, and Comcast). It also led to tree limbs and other vegetative debris on private property. No significant life safety threats were reported.
February 12-13, 2014	Winter Storm	N/A	N/A	Snow removal required as snow blocked full road width for roads in Village center and outlying areas.
July 23, 2014	Thunderstorm and Lightning	N/A	N/A	Lightning strikes led to over \$35,000 in infrastructure damage to three wells.
February – March 2015	Extreme Weather	N/A	N/A	Water Line Breaks Grandview Drive – Frozen Water Service Spring Street – Water Main Break Circle Drive – Frozen Water Service Dutcher Avenue – Water Main Break
Ongoing Event	Beaver Dams	N/A	N/A	Charles Colman Boulevard Flooding West Main Street Flooding



### 9.27.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Village of Pawling. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

#### Hazard Risk/Vulnerability Risk Ranking

The table below summarizes the hazard risk/vulnerability rankings of potential hazards for the Village of Pawling.

**Table 9.27-3. Hazard Risk/Vulnerability Risk Ranking**

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard <sup>a, c</sup>	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking <sup>b</sup>
Coastal Storm	100-year MRP: \$508,048.00 500-year MRP: \$5,388,181.00 Annualized: \$59,886.00	Frequent	48	High
Drought	Damage estimate not available	Frequent	42	High
Earthquake	100-Year GBS: \$0 500-Year GBS: \$133,969 2,500-Year GBS: \$2,080,739	Occasional	32	High
Extreme Temperature	Damage estimate not available	Frequent	30	Medium
Flood	1% Annual Chance: \$37,853,288	Frequent	36	High
Severe Storm	100-Year MRP: \$508,048 500-year MRP: \$5,388,181 Annualized: \$59,886	Frequent	48	High
Winter Storm	1% GBS: \$4,628,928 5% GBS: \$23,144,641	Frequent	51	High
Wildfire	Estimated Value in the WUI: \$776,997,342	Frequent	48	High

Notes:

GBS = General building stock; MRP = Mean return period.

- The general building stock valuation is based on the custom inventory generated for the municipality and based on improved value.
- High = Total hazard priority risk ranking score of 31 and above  
Medium = Total hazard priority risk ranking of 20-30+  
Low = Total hazard risk ranking below 20
- Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the estimated value of contents. The earthquake and hurricane wind hazards were evaluated by Census tract. The Census tracts do not exactly align with municipal boundaries; therefore, a total is reported for each Town inclusive of the Villages. Loss estimates for the flood and earthquake hazards represent both structure and contents. Potential flood loss estimates were generated using Hazus-MH 2.2 and the 2011 FEMA DFIRM for the 1-percent annual chance event. For the wildfire hazard, the improved value and estimated contents of buildings located within the identified hazard zones is provided.

#### National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Village of Pawling.

**Table 9.27-4. NFIP Summary**

Municipality	# Policies (1)	# Claims (Losses)	Total Loss Payments	# Rep. Loss Prop.	# Severe Rep. Loss Prop.	# Policies in 100-year Boundary
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		(1)	(2)	(1)	(1)	(3)
Village of Pawling	21	13	\$1,941,505.63	1	2	16

Source: FEMA Region 2, 2014

(1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA Region 2, and are current as of 12/31/2014. Please note the total number of repetitive loss properties does not include the severe repetitive loss properties. The number of claims represents claims closed by 12/31/14.

(2) Total building and content losses from the claims file provided by FEMA Region 2.

(3) The policies inside and outside of the flood zones is based on the latitude and longitude provided by FEMA Region 2 in the policy file.

Notes: FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility.

A zero percentage denotes less than 1/100th percentage and not zero damages or vulnerability as may be the case.

Number of policies and claims and claims total exclude properties located outside County boundary, based on provided latitude and longitude

### Critical Facilities

The table below presents HAZUS-MH estimates of the damage and loss of use to critical facilities in the community as a result of a 1- and 0.2-percent annual chance flood events.

**Table 9.27-5. Potential Flood Losses to Critical Facilities**

Name	Type	Exposure		Potential Loss from 1% Flood Event		
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage	Days to 100-Percent <sup>(1)</sup>
Pawling Join Sewer Pump #7	Wastewater Pump	X	X	-	-	-
Pawling Village Storage Facility	Potable Storage Facility	X	X	17.4	-	-

Source: Dutchess County, NYGIS

Note (1): HAZUS-MH 2.2 provides a general indication of the maximum restoration time for 100% operations. Clearly, a great deal of effort is needed to quickly restore essential facilities to full functionality; therefore this will be an indication of the maximum downtime (HAZUS-MH 2.1 User Manual).

Note (2): In some cases, a facility may be located in the DFIRM flood hazard boundary; however HAZUS did not calculate potential loss. This may be because the depth of flooding does not amount to any damages to the structure according to the depth damage function used in HAZUS for that facility type. Further, HAZUS-MH may estimate potential damage to a facility that is outside the DFIRM because the model generated a depth grid beyond the DFIRM boundaries.

X Facility located within the DFIRM boundary

- Not calculated by HAZUS-MH 2.2

### Other Vulnerabilities Identified

The municipality has identified the following vulnerabilities within their community:

- The East Branch Croton River flows south through the southern portion of the Town of Pawling, and its watershed drains approximately 1.5 square miles at the corporate limits with the Village of Pawling (FEMA FIS).
- Both the East Branch Croton River and the Swamp River have wide and poorly drained floodplains in the Village. These flat areas are subject to flooding and contain primarily residential developments (FEMA FIS).



### 9.27.5 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of Mitigation Planning into Existing and Future Planning Mechanisms

#### Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Village of Pawling.

**Table 9.27-6. Planning and Regulatory Tools**

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
<b>Planning Capability</b>				
Master Plan	Yes / 1994	Local	Village Board, Planning Board, ZBA	Plan is currently being updated. Update will include a review of local natural hazards.
Capital Improvements Plan	No	-	-	-
Floodplain Management / Basin Plan	Yes / 2012	Local	Village Board	-
Stormwater Management Plan	Yes / Updated annually	Local	Village Board	-
Open Space Plan	Yes	Local	Village Board, Planning Board, ZBA	Part of Master Plan
Stream Corridor Management Plan	No	-	-	-
Watershed Management or Protection Plan	No	-	-	-
Economic Development Plan	No	-	-	-
Comprehensive Emergency Management Plan	No	-	-	-
Emergency Response Plan	Yes	Local	Village Board	-
Post-Disaster Recovery Plan	No	-	-	-
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	No	-	-	-
Other Plans:	Yes / 2012	Local	Village Board	-
<b>Regulatory Capability</b>				
Building Code	Yes	State & Local	-	-
Zoning Ordinance	Yes	Local	Village	-



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
			Board, Planning Board, ZBA	
Subdivision Ordinance	Yes	Local	Village Board, Planning Board, ZBA	-
NFIP Flood Damage Prevention Ordinance	Yes	Federal, State, Local	-	-
NFIP: Cumulative Substantial Damages	No	-	-	-
NFIP: Freeboard	Yes	State, Local	-	State mandated BFE+2 for single and two-family residential construction, BFE+1 for all other construction types
Growth Management Ordinances	Yes	Local	Village Board, Planning Board, ZBA	Part of Master Plan
Site Plan Review Requirements	Yes	Local	Planning Board, ZBA	-
Stormwater Management Ordinance	Yes / 2007	Local	Village Board, Building Department	-
Municipal Separate Storm Sewer System (MS4)	Yes	Local	Village Board, Building Department, Highway Department	- Member of East of Hudson Watershed Corporation - Member of Dutchess County MS4 Coordination Committee
Natural Hazard Ordinance	No	-	-	-
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	Yes	State	-	NYS mandate, Property Condition Disclosure Act, NY Code - Article 14 §460-467
Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)]	Yes	Local	-	Chapter 95 of the Code of the Village of Pawling

### Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Village of Pawling.

**Table 9.27-7. Administrative and Technical Capabilities**

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Village Board



Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Mitigation Planning Committee	No	-
Environmental Board/Commission	Yes	MS4 Coordinator, Code Enforcement Officer, Mayor
Open Space Board/Committee	Yes	Village Board
Economic Development Commission/Committee	Yes	Village Board
Maintenance Programs to Reduce Risk	Yes	Village Board
Mutual Aid Agreements	Yes	Village Board
<b>Technical/Staffing Capability</b>		
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Yes	Village Board, Village Engineer (as consultant to Village Board)
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Village Board, Village Engineer (as consultant to Village Board)
Planners or engineers with an understanding of natural hazards	Yes	Village Board, Village Engineer (as consultant to Village Board)
NFIP Floodplain Administrator	Yes	Code Enforcement Officer / Building Inspector
Surveyor(s)	Yes	Village Board
Personnel skilled or trained in GIS and/or HAZUS-MH applications	No	-
Scientist familiar with natural hazards	No	-
Emergency Manager	Yes	Village Board
Grant Writer(s)	Yes	Village Board
Staff with expertise or training in benefit/cost analysis	No	-
Professionals trained in conducting damage assessments	Yes	Village Board, Village Consultants

### Fiscal Capability

The table below summarizes financial resources available to the Village of Pawling.

**Table 9.27-8. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes / Village Board
Capital Improvements Project Funding	Yes / Village Board
Authority to Levy Taxes for specific purposes	Yes / Village Board
User fees for water, sewer, gas or electric service	Yes / Village Board & Pawling Joint Sewer Commission
Impact Fees for homebuyers or developers of new development/homes	No
Stormwater Utility Fee	No
Incur debt through general obligation bonds	Yes / Village Board
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	No
Other Federal or State Funding Programs	Yes / Village Board
Open Space Acquisition Funding Programs	No
Other	No

### Community Classifications





The table below summarizes classifications for community program available to the Village of Pawling.

**Table 9.27-9. Community Classifications**

Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	5/8B	October 19, 2005
Storm Ready	No	-	-
Firewise	No	-	-
Disaster/Safety Programs in/for Schools	N/A	-	-
Organizations with Mitigation Focus (advocacy group, non-government)	No	-	-
Public Education Program/Outreach (through website, social media)	Yes	-	-
Public-Private Partnerships	Yes	-	-

N/A = Not applicable. NP = Not participating. - = Unavailable. TBD = To be determined.

The classifications listed above relate to the community's ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO's Public Protection website at <http://www.isomitigation.com/ppc/0000/ppc0001.html>
- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>

### Self-Assessment of Capability

The table below provides an approximate measure of the Village of Pawling's capability to work in a hazard-mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

**Table 9.27-10. Self-Assessment Capability for the Municipality**

Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are	Moderate	High





	your obstacles?)*		
Planning and Regulatory Capability	Limited staff		
Administrative and Technical Capability	Limited staff		
Fiscal Capability	Budgetary constraints		
Community Political Capability		X	
Community Resiliency Capability		X	
Capability to Integrate Mitigation into Municipal Processes and Activities.		X	

### National Flood Insurance Program

The following section provides details on the National Flood Insurance Program (NFIP) as implemented within the municipality:

#### NFIP Floodplain Administrator (FPA)

Karl Pfister, Code Enforcement Officer/Building Inspector

#### Flood Vulnerability Summary

As supported by the low number of severe flooding events described earlier in this section, the Village of Pawling has a relatively low vulnerability to flood damage. The municipality does not maintain active inventories of flood-damaged properties but does note that there are currently no property owners who have requested mitigation or protective measures, such as elevation or acquisition.

Although some public property was damaged as a result of Hurricane Irene and Superstorm Sandy, no privately owned structures were damaged. Some private residences did experience vegetative debris on their land property, however. Despite the low vulnerability to flooding, the Village pursues flood mitigation opportunities, including education and new regulations, when funding is available. The Village would like to pursue a more comprehensive flood management program but is currently limited by budget and staffing constraints.

#### Resources

The community identifies the Code Enforcement Officer and Building Inspector as the local NFIP Floodplain Administrator, currently Karl Pfister, for which floodplain administration is an auxiliary duty.

It is the intent and purpose of the NFIP Floodplain Administrator to promote the public health, safety, and general welfare and to minimize public and private losses due to flood conditions in specific areas. Floodplain manager duties include: regulate uses which are dangerous to health, safety and property due to water or erosion hazards or which result in damaging increases in erosion or in flood heights or velocities; require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction; control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of floodwaters; control filling, grading, dredging and other development which may increase erosion or flood damages; regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands; and qualify for and maintain participation in the National Flood Insurance Program.

The Floodplain Administrator is supported by the Village's engineering firm, Zarecki and Associates. The Floodplain Administrator has indicated that his ability to fulfill his responsibilities as the municipal floodplain



administrator are currently impacted by budget and staffing constraints. The Village has indicated interest in participating in any continuing education or certification training on floodplain management were it offered for all local floodplain administrators.

### **Compliance History**

As of January 31, 2015 there are 21 policies in force, insuring \$6,303,400 in property with total annual insurance premiums of \$45,940.

Since 1978, 13 claims have been paid totaling 1,941,506. Following Hurricane Irene, the damage throughout the Village included eroded and washed out road surfaces, utility damages, and vegetative debris deposits. The most significant life safety threat concerned the Pawling Reservoir Dam, whose outlet became clogged. In addition to structural damage to the dam, the reservoir experienced seepage, requiring evacuation of residents below the dam. Following Superstorm Sandy, the damage throughout the village primarily included utility damages and vegetative debris. No significant life safety threats were identified as a result of Superstorm Sandy.

The Village is currently in good standing in the NFIP. The current NFIP Floodplain Administrator has no knowledge of when the last CAV was performed. The municipality sees no specific need for a CAV at this time.

### **Regulatory**

The Village's Flood Damage Prevention Ordinance (FDPO) was last reviewed and updated on March 22, 2012, where necessary, and is found at Chapter 33 of the local code.

Floodplain management regulations and ordinances meet the FEMA and New York State minimum requirements. There are additional ordinances, plans, and programs within the Village further supporting the enforcement of the floodplain management program.

### **Community Rating System**

The Village of Pawling does not participate in the Community Rating System (CRS) program.

### **Other Capabilities Identified**

Previous actions that are now on-going programs and capabilities are described below. Refer to Table 9.27-11 presented later in this annex.

- Maintaining the Stormwater MS4 program is an annual goal.
- The Village Code Enforcement Officer attends monthly meetings and instructional seminars as they are available. This action helps ensure detailed code enforcement of State and Local Building Codes.
- The Village Board reviews existing local codes and ordinances against identified hazards and makes amendments, as needs are identified.
- The Village updates and revises floodplain management ordinances to comply with FEMA regulations on a regular basis.

### **Integration of Hazard Mitigation into Existing and Future Planning Mechanisms**

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, each community was surveyed to obtain a better understanding of their community's progress in plan integration. A summary is provided below. In



addition, the community identified specific integration activities that will be incorporated into municipal procedures.

### Planning

**Land Use Planning:** The Village has a Planning Board and Zoning Board of Appeals which review all applications for development and consider natural hazard risk areas in their review. Many development activities require additional levels of environmental review, specifically NYS SEQRA and Federal NEPA requirements.

**Village of Pawling Comprehensive Plan 1994:** The Village completed a Comprehensive Plan (Master Plan), which included the identification of natural hazard risk areas like floodplains, wetlands, and steep slopes, as well as land use and zoning recommendations for managing those risks. Some of the recommendations included the following:

1. Institute a soil erosion control plan to control sediment and protect watercourses
2. Institute a local wetlands ordinance.
3. Protect streams, wetlands, and flood plains incorporating established FEMA and NYDEC guidelines where relevant. Consider using a preservation overlay district for these natural resources.
4. Adopt performance controls to protect natural resources: groundwater, aquifer, steep slopes, wetlands, watercourses, and trees.
5. Establish a Conservation Board with the authority to review subdivision applications.

The Village is currently updating its Comprehensive Plan (Master Plan) and will include a review of local natural hazards as part of the update.

### Regulatory and Enforcement

**Zoning Code Chapter:** The Village's zoning code includes districts and standards pertaining to the mitigation of hazards. These sections include the Floodplain regulations, stormwater management & erosion control standards.

**Site Plan/Subdivision Review Chapter:** The Village's Planning Board is tasked with site plan/subdivision review. The Planning Board pays special attention to ensure that developments mitigate the issues associated with flooding or steep slopes.

**Building Code Chapter:** The building codes are strictly enforced to make new and renovated buildings as prepared as possible for hazard related incidents. The chapter includes a provision to allow the building inspector to make emergency repairs to protect the health safety and welfare of the residents.

### Fiscal

**Operating Budget:** The Village's operating budget contains minimal provisions for expected repairs like snow removal and infrastructure repair after a storm or natural disaster.

### Education and Outreach

The Village has an All Hazards Mitigation Plan Project web page with the information from the Northern and Eastern Dutchess County HMP including the plan and the public awareness and education presentation. The Village also has an emergency information webpage with contact information. The Planning Department is a member of the Dutchess County Planning Federation and attends trainings and researches best practices that other communities are implementing. DPW takes classes and implements in hazardous reduction techniques



in various capital improvements. The Village has planned to budget for training for personal including professional development geared towards health and safety. The Village plans to enhance its public outreach as appropriate funding becomes available.

### **9.27.6 Mitigation Strategy and Prioritization**

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This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and prioritization.

#### **Past Mitigation Initiative Status**

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The following table indicates progress on the community's mitigation strategy identified in the 2010 Plan. Actions that are carried forward as part of this Plan are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under 'Capability Assessment' presented previously in this annex.



Table 9.27-11. Past Mitigation Initiative Status

2010 Mitigation Action	Responsible Agency	Status (In progress, No progress, Complete)	Describe Status	Next Step (Include in 2015 HMP or Discontinue)	Describe Next Step
Stormwater Management MS4	Village Board	In Progress	1. The Village has identified this as an annual program and is working towards its annual goals 2. This action's status of completion can be delayed due to funding limitations (Unfunded Federal mandate)	Include in 2015 HMP	1. Stormwater Management MS4 2. Update wording of action to indicate it as an ongoing action. Include in ongoing mitigation actions/capabilities (not proposed actions).
Culvert upgrades and replacements to control erosion	Village Board	In Progress	1. 2. 3.	Include in 2015 HMP	Culvert upgrades and replacements to control erosion. Although the Village will work towards the completion of this action, it has not been prioritized for inclusion in Table 9.27-12 or for targeted implementation.
Tree pruning and landscaping practices to prevent outages and travel hazards	Village Board	In Progress	1. Numerous trees have been removed or pruned back due to safety concerns – 50% complete 2. The Village utilizes General Funds for this project.	Include in 2015 HMP	Tree pruning and landscaping practices to prevent outages and travel hazards. Although the Village will work towards the completion of this action, it has not been prioritized for inclusion in Table 9.27-12 or for targeted implementation.
Secure emergency power sources for communication and response at critical facilities	Village Board	In Progress	1. Completed NYSEG's list of critical facilities survey – 15% complete 2. The Village has not yet expend funds expended – initial stages	Include in 2015 HMP	Secure emergency power sources for communication and response at critical facilities Although the Village will work towards the completion of this action, it has not been prioritized for inclusion in Table 9.27-12 or for targeted implementation.
Prepare public awareness materials on natural hazard safety measures (post to village website)	Village Board	In Progress	1. The Village has implemented the new website and is still in the process of updating all information.	Include in 2015 HMP	Prepare public awareness materials on natural hazard safety measures (post to village website). Although the Village will work towards the completion of this action, it has not been prioritized for inclusion



2010 Mitigation Action	Responsible Agency	Status (In progress, No progress, Complete)	Describe Status	Next Step (Include in 2015 HMP or Discontinue)	Describe Next Step
					in Table 9.27-12 or for targeted implementation.
Inventory of building code compliance for critical village facilities	Village Board		1. 2.		
Public awareness program on Hazards, Prevention, and Mitigation: Assist CPG Chairperson in maintenance of mitigation planning web presence: assist CPG Chairperson in preparation of annual hazards and mitigation planning fact sheet and its distribution; assist CPG Chairperson in preparation of hazards survey; periodic discussion of hazard mitigation and the mitigation plan at other regular local meetings; use of annual flyers, newsletters, advertisements, or radio/tv announcements, etc. at the discretion of the jurisdiction (incorporating as much free information as possible from the FEMA Publications Warehouse and other appropriate sources).					
See above	Village Board		1. 2.		
Code update: Review existing local codes and ordinances against the identified hazards to determine whether there need to be any amendments to address identified hazards and, where a need is identified, modify/amend the codes/ ordinances as applicable.	Village Board	In Progress	1. Ongoing – As issues arise, the Village Board addresses them. 2.	Include in 2015 HMP	1. Code updates (Keep original wording) 2. Update wording of action to indicate it as an ongoing action. Include in ongoing mitigation actions/capabilities (not proposed actions).
Code enforcement: Enforcement of NYS and Local Building Codes with Continual CEO training.	Village Board	In Progress	1. The Village Code Enforcement Officer attends monthly meeting and instructional seminars as they are available. 2. This project is funded under the Village's general budget	Include in 2015 HMP	1. Code enforcement: Enforcement of NYS and Local Building Codes with Continual CEO training. 2. Update wording of action to indicate it as an ongoing action. Include in ongoing mitigation actions/capabilities (not proposed actions).
Update/revise floodplain management ordinances to comply with latest FEMA regulations	Village Board	In Progress	1. Ongoing – updates and revisions made as necessary 2. This project is funded under the Village's general budget	Include in 2015 HMP	1. Update/revise floodplain management ordinances to comply with latest FEMA regulations 2. Update wording of action to indicate it as an ongoing action. Include in ongoing mitigation actions/capabilities (not proposed actions).



2010 Mitigation Action	Responsible Agency	Status (In progress, No progress, Complete)	Describe Status	Next Step (Include in 2015 HMP or Discontinue)	Describe Next Step
Require staff involved in Floodplain management and ordinance enforcement to become Certified Floodplain Managers (CFMs)	Village Board	In Progress	1. 2.	Include in 2015 HMP	1. Require staff involved in Floodplain management and ordinance enforcement to become Certified Floodplain Managers (CFMs) 2. Although the Village will work towards the completion of this action, it has not been prioritized for inclusion in Table 9.27-12 or for targeted implementation.
Join the Community Rating System (CRS)	Village Board	In Progress	1. 2.	Include in 2015 HMP	1. Join the Community Rating System (CRS) 2. Although the Village will work towards the completion of this action, it has not been prioritized for inclusion in Table 9.27-12 or for targeted implementation.





### Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Village of Pawling has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2010 Plan:

- Improvements made to Reservoir Road, from Route 22 to Prospect St., including the correction of drainage issues.
- Rehabilitation of Grandview Avenue from Lakeside Drive to Dead End, including the correction of drainage issues.
- Correction of drainage and flooding issues on Townsend Boulevard.

### Proposed Hazard Mitigation Initiatives for the Plan

The Village of Pawling participated in a mitigation action workshop in 2015 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 'Selecting Appropriate Mitigation Measures for Floodprone Structures' (March 2007) and FEMA 'Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards' (January 2013). In May 2015, the Village of Pawling participated in a second workshop and was provided the results to the risk assessment to further assist with the identification of mitigation actions.

Table 9.27-12 summarizes the comprehensive-range of specific mitigation initiatives the Village of Pawling would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this Plan. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as 'High', 'Medium', or 'Low.' The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.27-13 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan.



Table 9.27-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
VOP-001	Removal of South Street Beaver Dam - Applying for Beaver Trapping Permit through the DEC. Hiring a trapper to trap beavers and remove as much of dam as possible.	Existing development	Flooding	2	Village of Pawling, Village Board will oversee project	Will keep flooding from the Pawling Fire Dept Station No. 1, stop flooding of South Street which causes weakening of road and road closure	Medium	Grants, Budgetary Line Item	Short	High	NSP	PR, PP
VOP-002	Circle Drive Flooding Remediation - Installing and upgrading drainage and catch basins to alleviate flooding conditions (Also part of the MS4 program)	Existing development	Flooding	2	Village of Pawling, Village Board will oversee project	The current situation creates a "mud pit" during heavy storms which cause road closures and issues for residents. The upgrading will alleviate the deterioration of the road and water and sewer infrastructure.	High	CHIPs funding, Grants, Budgetary Line Item	Long Term	Medium	SIP	PP, SP
VOP-003	Valley Drive Flooding Remediation - Paving the road and installing drainage and catch basins to alleviate flooding conditions (Also part of the MS4 program)	Existing development	Flooding	2	Village of Pawling, Village Board will oversee project	The current situation creates a "mud pit" during heavy storms which cause road closures and issues for residents. All upgrades and installations will help the situation for the better.	High	CHIPs funding, Grants, Budgetary Line Item	Long Term	Medium	SIP	SP
VOP-004	Village of Pawling Tree Inventory and Removal - Identifying and Removing trees that can become hazardous during storm events to prevent outages and travel hazards.	Existing developments	Dangerous Trees within Village of Pawling	2	Village of Pawling, Village Board will oversee project	The program helps identify and remove trees BEFORE they become a liability. The Village Board went out to bid for a tree removal company that is on call for a set price and that has been removing dangerous trees.	Medium	Budgetary Line Item	Long Term	High	NSP	NR, PP
VOP-005	Notify and provide needed support to the facility manager / operator of Pawling Joint Sewer Pump #7	Existing	Flood, Severe Storms	2, 3	Municipal NFIP FPA	High - Reduced Risk to Critical Facility	Low	Staff Time, FEMA, NYS DHSES, County,	Short	Medium	EAP, LPR	PI, PP



**Table 9.27-12. Proposed Hazard Mitigation Initiatives**

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
	to evaluate the facility's flood vulnerability and to identify feasible mitigation options. Assure that any mitigation addresses the 500-year flood event or "worst damage scenario".							Municipal				
VOP-006	Notify and provide needed support to the facility manager / operator of Pawling Village Storage Facility to evaluate the facility's flood vulnerability and to identify feasible mitigation options. Assure that any mitigation addresses the 500-year flood event or "worst damage scenario".	Existing	Flood, Severe Storms	2, 3	Municipal NFIP FPA	High – Reduced Risk to Critical Facility	Low	Staff Time, FEMA, NYS DHSES, County, Municipal	Short	Medium	EAP, LPR	PI, PP

Notes:

Not all acronyms and abbreviations defined below are included in the table.

\*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

Acronyms and Abbreviations:

CAV	Community Assistance Visit
CRS	Community Rating System
DPW	Department of Public Works
FEMA	Federal Emergency Management Agency
FPA	Floodplain Administrator
HMA	Hazard Mitigation Assistance
N/A	Not applicable
NFIP	National Flood Insurance Program
OEM	Office of Emergency Management

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
PDM	Pre-Disaster Mitigation Grant Program
RFC	Repetitive Flood Claims Grant Program (discontinued)
SRL	Severe Repetitive Loss Grant Program (discontinued)

Timeline:

Short	1 to 5 years
Long Term	5 years or greater
OG	On-going program
DOF	Depending on funding



Costs:

Where actual project costs have been reasonably estimated:

Low	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where actual project costs cannot reasonably be established at this time:

Low	Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
Medium	Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
High	Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Mitigation Category:

- *Local Plans and Regulations (LPR)* – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- *Structure and Infrastructure Project (SIP)*- These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- *Natural Systems Protection (NSP)* – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- *Education and Awareness Programs (EAP)* – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

CRS Category:

- *Preventative Measures (PR)* - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- *Property Protection (PP)* - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- *Public Information (PI)* - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- *Natural Resource Protection (NR)* - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- *Structural Flood Control Projects (SP)* - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- *Emergency Services (ES)* - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities

Benefits:

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low=	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low	Long-term benefits of the project are difficult to quantify in the short term.
Medium	Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.
High	Project will have an immediate impact on the reduction of risk exposure to life and property.



Table 9.27-13. Summary of Prioritization of Actions

Mitigation Action/Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
VOP-001	Removal of South Street Beaver Dam - Applying for Beaver Trapping Permit through the DEC. Hiring a trapper to trap beavers and remove as much of dam as possible.	0	1	1	1	0	1	1	1	0	1	1	1	0	0	9	High
VOP-002	Circle Drive Flooding Remediation - Installing and upgrading drainage and catch basins to alleviate flooding conditions (Also part of the MS4 program)	0	1	1	1	0	1	-1	1	0	1	1	-1	1	0	6	Medium
VOP - 003	Valley Drive Flooding Remediation - Paving the road and installing drainage and catch basins to alleviate flooding conditions (Also part of the MS4 program)	0	1	1	1	0	1	-1	1	0	1	1	-1	1	0	6	Medium
VOP - 004	Village of Pawling Tree Inventory and Removal - Identifying and Removing trees that can become hazardous during storm events to prevent outages and travel hazards.	1	1	1	1	0	1	1	1	0	0	1	0	1	0	0	High
VOP-005	Notify and provide needed support to the facility manager/operator of Pawling Joint Sewer Pump #7 to evaluate the facility's flood vulnerability and to	0	1	1	0	0	0	1	0	1	1	1	1	0	0	7	Medium



Table 9.27-13. Summary of Prioritization of Actions

Mitigation Action/Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
	identify feasible mitigation options.																
VOP-006	Notify and provide needed support to the facility manager/operator of Pawling Village Storage Facility to evaluate the facility's flood vulnerability and to identify feasible mitigation options.	0	1	1	0	0	0	1	0	1	1	1	1	0	0	7	Medium

Note: Refer to Section 6 which contains the guidance on conducting the prioritization of mitigation actions.



### **9.27.7 Future Needs To Better Understand Risk/Vulnerability**

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None at this time.

### **9.27.8 Hazard Area Extent and Location**

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Hazard area extent and location maps have been generated for the Village of Pawling that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Village of Pawling has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.

### **9.27.9 Additional Comments**

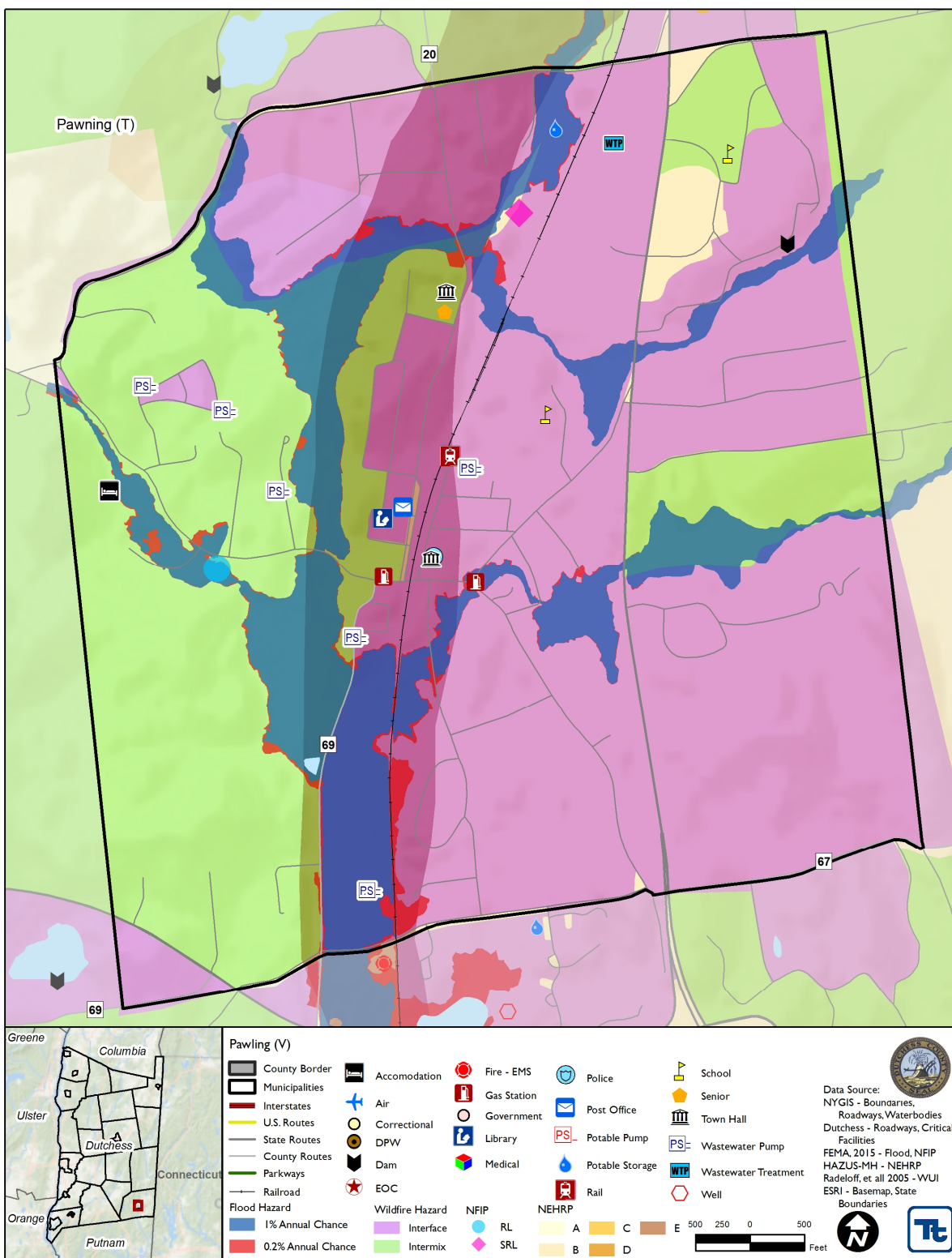
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None at this time.





Figure 9.27-1. Village of Pawling Hazard Area Extent and Location Map





Name of Jurisdiction:	Village of Pawling
Name and Title Completing Worksheet:	Jennifer Osborn, Village Clerk
Action Number:	VOPaw – 001
Mitigation Action Name:	Removal of South Street Beaver Dam

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	Flooding of South Street caused by beaver dam
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<ol style="list-style-type: none"><li>1. Applying for Beaver Trapping Permit through the DEC. Hiring a trapper to trap beavers and remove as much of dam as possible.</li><li>2. Do nothing – Not an option as this does not address the existing hazard and potential losses/damages.</li></ol>
Action/Project Intended for Implementation	
Description of Selected Action/Project	Applying for Beaver Trapping Permit through the DEC. Hiring a trapper to trap beavers and remove as much of dam as possible.
Mitigation Action Type	NSP
Goals Met	2
Applies to existing and or new development, or not applicable	Existing development
Benefits (losses avoided)	Will keep flooding from the Pawling Fire Dept Station No. 1, stop flooding of South Street which causes weakening of road and road closure
Estimated Cost	Medium
Priority*	High
Plan for Implementation	
Responsible Organization	Village of Pawling
Local Planning Mechanism	Village Board will oversee project
Potential Funding Sources	Grants, Budgetary Line Item
Timeline for Completion	Short
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

VOPaw – 001

Mitigation Action Name:

Removal of South Street Beaver Dam

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	Reduce risk of flood damage to local properties (currently caused by location of dam)
Cost-Effectiveness	1	Most effective cost option. Other cost option is to do nothing and have increasing flood damages.
Technical	1	
Political	0	
Legal	1	
Fiscal	1	Budgetary line item, grants
Environmental	1	
Social	0	
Administrative	1	Already in process
Multi-Hazard	1	
Timeline	1	
Agency Champion	0	
Other Community Objectives	0	
Total	9	
Priority	High	



Name of Jurisdiction:

Village of Pawling

Name and Title Completing Worksheet:

Jennifer Osborn, Village Clerk

Action Number:

VOPaw – 002

Mitigation Action Name:

Circle Drive Flooding Remediation

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	Flooding of Circle Drive
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<ol style="list-style-type: none"><li>1. Installing and upgrading drainage and catch basins to alleviate flooding conditions (Also part of the MS4 program)</li><li>2. Do nothing – Not an option as this does not address the existing hazard and potential losses/damages.</li></ol>
Action/Project Intended for Implementation	
Description of Selected Action/Project	Installing and upgrading drainage and catch basins to alleviate flooding conditions (Also part of the MS4 program)
Mitigation Action Type	SIP
Goals Met	2
Applies to existing and or new development, or not applicable	Existing development
Benefits (losses avoided)	The current situation creates a “mud pit” during heavy storms which cause road closures and issues for residents. The upgrading will alleviate the deterioration of the road and water and sewer infrastructure.
Estimated Cost	High
Priority*	Medium
Plan for Implementation	
Responsible Organization	Village of Pawling
Local Planning Mechanism	Village Board will oversee project
Potential Funding Sources	CHIPs funding, Grants, Budgetary Line Item
Timeline for Completion	Long Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

VOPaw – 002

Mitigation Action Name:

Circle Drive Flooding Remediation

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	Reduce flood risk to surrounding properties
Cost-Effectiveness	1	Most cost-efficient option. Alternative is to have ongoing flood damage and flood repair costs.
Technical	1	
Political	0	
Legal	1	
Fiscal	-1	Expense
Environmental	1	
Social	0	
Administrative	1	
Multi-Hazard	1	Will prevent further deterioration of roadways
Timeline	-1	
Agency Champion	1	
Other Community Objectives	0	
Total	6	
Priority	Medium	



Name of Jurisdiction: Village of Pawling  
Name and Title Completing Worksheet: Jennifer Osborn, Village Clerk  
Action Number: VOPaw – 003  
Mitigation Action Name: Valley Drive Flooding Remediation

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	Flooding of Valley Drive
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<ol style="list-style-type: none"><li>1. Paving the road and installing drainage and catch basins to alleviate flooding conditions (Also part of the MS4 program)</li><li>2. Do nothing – Not an option as this does not address the existing hazard and potential losses/damages.</li></ol>
Action/Project Intended for Implementation	
Description of Selected Action/Project	Paving the road and installing drainage and catch basins to alleviate flooding conditions (Also part of the MS4 program)
Mitigation Action Type	SIP
Goals Met	2
Applies to existing and or new development, or not applicable	Existing development
Benefits (losses avoided)	The current situation creates a “mud pit” during heavy storms which cause road closures and issues for residents. All upgrades and installations will help the situation for the better.
Estimated Cost	High
Priority*	Medium
Plan for Implementation	
Responsible Organization	Village of Pawling
Local Planning Mechanism	Village Board will oversee project
Potential Funding Sources	CHIPs funding, Grants, Budgetary Line Item
Timeline for Completion	Long Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

VOPaw – 003

Mitigation Action Name:

Valley Drive Flooding Remediation

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	Reduce flood risk to surrounding properties
Cost-Effectiveness	1	Most cost-efficient option. Alternative is to have ongoing flood damage and flood repair costs.
Technical	1	
Political	0	
Legal	1	
Fiscal	-1	Expense
Environmental	1	
Social	0	
Administrative	1	
Multi-Hazard	1	Will prevent further deterioration of roadways
Timeline	-1	
Agency Champion	1	
Other Community Objectives	0	
Total	6	
Priority	Medium	





<b>Name of Jurisdiction:</b>	Village of Pawling
<b>Name and Title Completing Worksheet:</b>	Jennifer Osborn, Village Clerk
<b>Action Number:</b>	VOPaw – 004
<b>Mitigation Action Name:</b>	Village of Pawling Tree Inventory and Removal

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Dangerous Trees within Village of Pawling
<b>Specific problem being mitigated:</b>	Identifying and Removing trees that can become hazardous during storm events
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	1. Inventorying and removing trees deemed hazardous 2. Do nothing – Not an option as this does not address the existing hazard and potential losses/damages.
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Inventorying and removing trees deemed hazardous
<b>Mitigation Action Type</b>	NSP
<b>Goals Met</b>	2
<b>Applies to existing and or new development, or not applicable</b>	Existing developments
<b>Benefits (losses avoided)</b>	The program helps identify and remove trees BEFORE they become a liability. The Village Board went out to bid for a tree removal company that is on call for a set price and that has been removing dangerous trees.
<b>Estimated Cost</b>	Medium
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Village of Pawling
<b>Local Planning Mechanism</b>	Village Board will oversee project
<b>Potential Funding Sources</b>	Budgetary Line Item
<b>Timeline for Completion</b>	Long Term
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



Action Number:

VOPaw – 004

Mitigation Action Name:

Village of Pawling Tree Inventory and Removal

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Preventing fallen tree branches from hitting pedestrians, drivers, homes, etc. and causing additional life safety concerns during a storm event
Property Protection	1	Reduce potential property damage during storm events from falling tree branches
Cost-Effectiveness	1	
Technical	1	
Political	0	
Legal	1	
Fiscal	1	
Environmental	1	
Social	0	
Administrative	0	
Multi-Hazard	1	Severe Storms, Flooding
Timeline	0	
Agency Champion	1	
Other Community Objectives	0	
Total	9	
Priority	High	